

# PhD project in Econometrics, Statistics or Operations Research

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## Introduction

The Econometric Institute has an open Phd project available for a highly motivated candidate.

## Job description

The Econometric Institute is one of the leading research groups in econometrics in Europe. The group has an opening for a PhD candidate in the broader field of econometrics, statistics or operations research. The topic of the PhD project will be decided based on the candidate's interest and profile. The chosen topic should fit into the group's research expertise, which includes, but is not limited to, business analytics, data science, financial econometrics, operations research and statistics. The (co)promoter of the PhD project will be decided based on the chosen topic.

We offer an international and friendly study and research environment. PhD students are employees of the department and therefore enjoy full employment benefits, including a competitive salary. Recent graduates from Econometric Institute are placed in well-recognized universities, research institutes or industrial firms worldwide.

## Job requirements

We welcome PhD candidates who aspire a career in research. To become one of our PhD candidates, you will need to be admitted to Erasmus School of Economics' graduate schools, the Tinbergen Institute or the Erasmus Research Institute in Management (ERIM).

Erasmus School of Economics' admission requirements are:

- MPhil or Research Master's degree in Economics, Econometrics, Mathematics or Physics is preferred. Please upload your bachelor's and master's degree.
  - Candidates with an MSc or MA degree are required to successfully complete 1 year of courses at the graduate school they are part of (Research Qualifications at the Tinbergen Institute or courses at ERIM)
- Excellent study results for both the bachelor's and master's degree. Please upload your transcript of records for the bachelor's and master's degree.
- Interest in and strong motivation for scientific research explained in a statement of purpose.
- GRE test is required for all entering PhD students. Valid GRE (revised) General Test results are required from all PhD applicants (all 3 sections: Verbal Reasoning, Quantitative Reasoning and Analytical Writing). Successful applicants typically perform among the top-10% of test-takers on the quantitative part of the GRE; applicants with a Q score below 160 will not be considered. The results should not be older than 5 years.
- Excellent command of English. Applicants whose native language is not English are therefore required to demonstrate English proficiency by:
  - proof that the language of instruction of their entire university education (bachelor and master programme) was English, or
  - scoring at least 100 on the TOEFL iBT test or 7.5 on the IELTS test.

- Two (academic) reference letters, preferably from a thesis supervisor or research project supervisor
- Curriculum Vitae

Besides these requirements, we are looking for a highly motivated candidate who intends to pursue an academic career in econometrics or economics. Potential candidates should have a strong background in econometrics and/or statistics with sufficient knowledge in economics and programming. The candidate is expected to have a master's degree in econometrics or statistics with excellent grades.

## Employment conditions and benefits

We offer you an internationally oriented and varied job in an enthusiastic team, with excellent working conditions in accordance with the Collective Labour Agreement for Dutch Universities (CAO-NU).

The start date of this position is 01-09-2024 and you will be based at Campus Woudestein in Erasmus School of Economics (ESE). This position is for 1 fte - 1 fte FTE. The salary is dependent on your experience and knowledge and ranges from a minimum of € 2.770 to a maximum of € 3.539 gross per month (Scale PhD) on a fulltime basis (38 hours), in accordance with the CAO-NU.

Everything else we offer you, you can find below!

- Everything you need for a [good work-life balance](#): the option to work from home in consultation with your manager, 41 days of paid leave with a 40 hour contract, 8% holiday pay and an 8.3% end-of-year bonus, and a significant discount on a subscription for our [on-campus sports centre](#)!
- [Sustainable, inclusive and diverse work environment](#) with an open culture, where you can be yourself and we pay attention to each other and to the world around us. Make the most of our bicycle budget, or join networks such as [Young@EUR](#), [FAME](#), QuEUR, or [Young Erasmus Academy](#).
- Time and space for your development in the broadest sense: [development days and a personal career budget](#), foreign exchange opportunities with most costs paid by EUR, and free access to our [university library](#).
- [Good pension with ABP](#) that EUR contributes 2/3rds towards, [discounts on various collective insurances](#) with Zilveren Kruis Achmea, Loyalis, and Allianz, and compensation for travel, working from home and home internet use.
- Are you currently combining your job with parenthood, or do you want to do so in the future? EUR offers [partially paid parental leave and fully paid additional birth leave for partners](#), and our campus features a [daycare](#).
- Moving to the Netherlands for your job with EUR? Then you may be eligible for the [30%-ruling](#) if you meet the requirements of the Belastingdienst (Dutch tax agency), and with our [Dual Career Programme](#) we will also help your partner find the right job for them.

## Employer

Erasmus University Rotterdam (EUR) is an internationally oriented university with a strong social orientation in its education and research, as expressed in our mission 'Creating positive societal impact'. EUR is home to 3.700 academics and professionals and almost 33.000

students from more than 140 countries. Everything we do, we do under the credo The Erasmian Way – Making Minds Matter. We're global citizens, connecting, entrepreneurial, open-minded, and socially involved. These Erasmian Values function as our internal compass and create EUR's distinctive and recognizable profile. From these values, with a broad perspective and with an eye for diversity, different backgrounds and opinions, our employees work closely together to solve societal challenges from the dynamic and cosmopolitan city of Rotterdam. Thanks to the high quality and positive societal impact of our research and education, EUR can compete with the top European universities. [www.eur.nl](http://www.eur.nl).

## **Faculty / Institute / Central service**

Erasmus School of Economics (ESE) is a leading school in economics in the Netherlands. It has a strong international reputation and aims to do outstanding research. Moreover, it provides excellent education at the BA., MA. and Ph.D. levels. Much research at Erasmus School of Economics is policy relevant, has social impact, and offers a strong research culture, ample research resources, and comparatively low teaching loads.

[www.eur.nl/en/ease](http://www.eur.nl/en/ease)

## **Group**

Depending on the candidate's interest the project can be affiliated with either ERIM (for a Research in Management approach) or Tinbergen Institute (for an Economics and Econometrics approach).

Applicants for this project need to pass ERIM's or the Tinbergen Institute's admission requirements (depending on approach) before they can be considered for a PhD position at Erasmus School of Economics.

Note that both graduate schools require a valid GRE or GMAT test results from all applicants. More information about these tests is available online. Be aware that available seats for these tests fill up very fast so book your test well in advance.

## **Department**

## **Additional information**

### **Approach**

The approach of this project will be decided upon the candidate's interest and profile.

### **Cooperation**

A research visit to a foreign university is part of the PhD project.

### **Expected output**

At least 3 publications in top-tier academic journals in the field of econometrics, economics or statistics.

### **Scientific relevance**

The scientific and academic relevance depends on the chosen topic.

### **Societal relevance**

The societal relevance depends on the chosen topic.

## **Supervisors**

The supervision of the PhD candidate will be decided based on the chosen topic.

## **Applying**

Please submit your complete application before 15 January 2024. Applications will be reviewed by the recruitment committees after the deadline. Kindly note that we can only accept applications containing all the required documents and information. We look forward to receiving your application.

## **More information**

For questions regarding the application procedure please contact Lindsey Pijpers (PhD Officer) at [doctoraloffice@ese.eur.nl](mailto:doctoraloffice@ese.eur.nl)

Persons of all gender identities or expressions, sexual orientations, religions, ethnicities, ages, neurodiversities, functional impairments, citizenships, or any other aspect are welcome to apply and join the EUR community.